

5.4 Graphic Texts

Reading Charts and Graphs



PITCH

- You see them everywhere: pie charts, bar graphs, and grid charts that represent mathematical information. How do you learn to read them? Practice!

In this lesson you will:

Read bar graphs, pie charts, and grid charts

Review percentages in pie charts

Compare types of information shown in different kinds of charts

Home Electricity Use

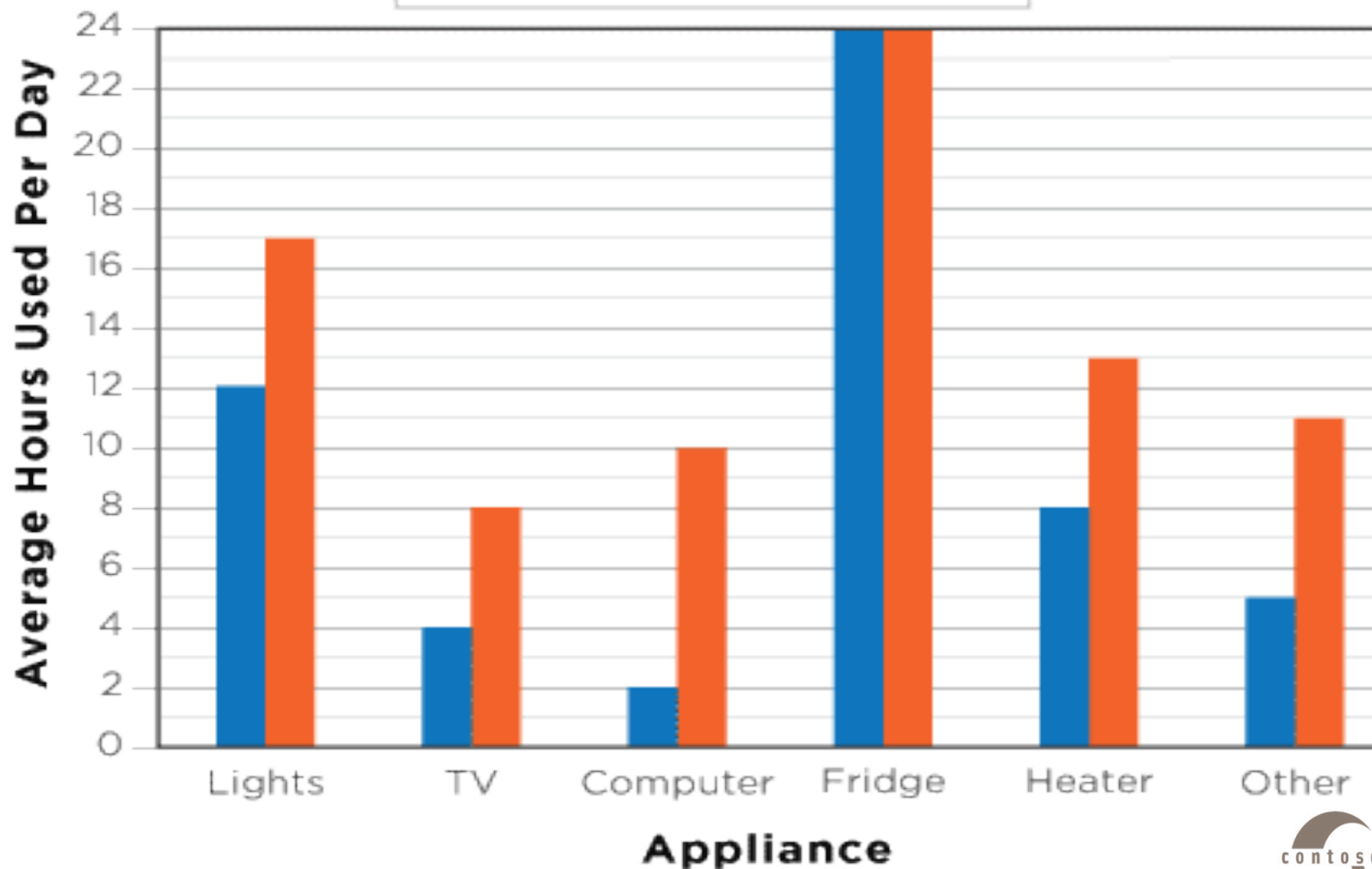
Key

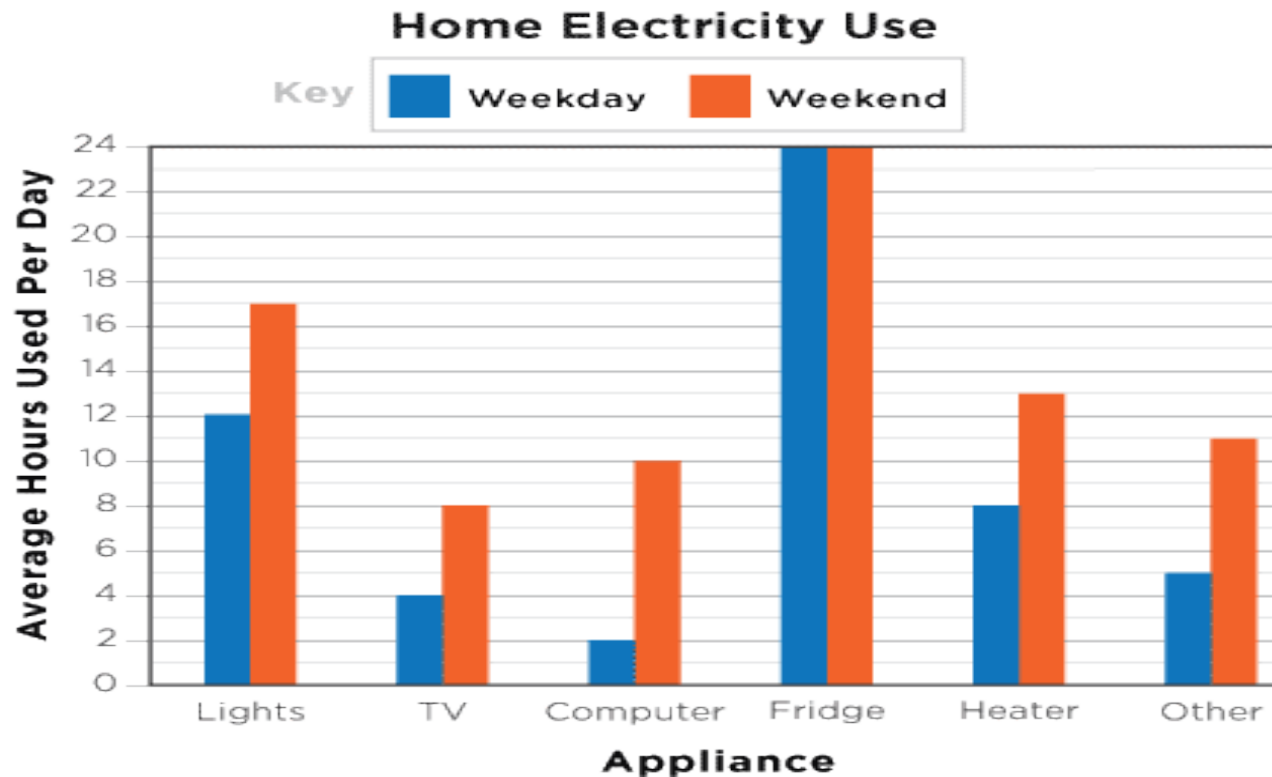


Weekday



Weekend





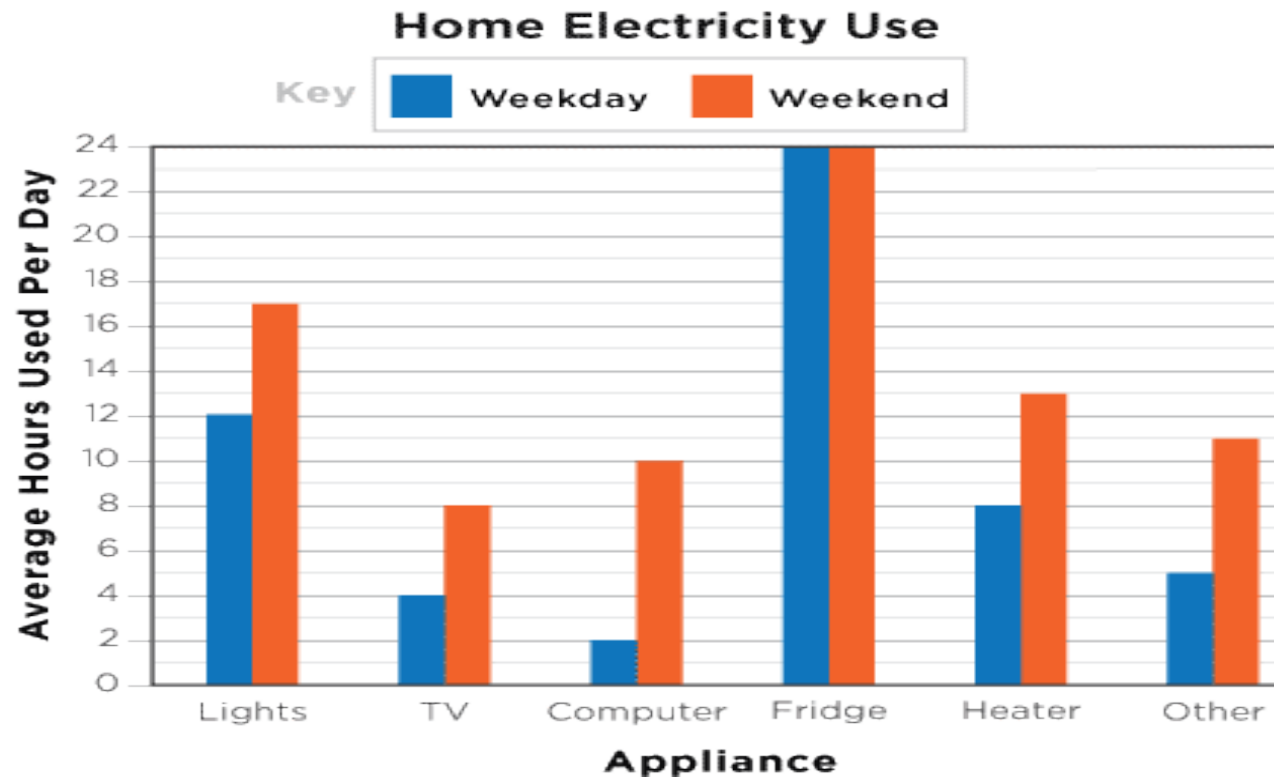
Look at the bar graph above. Can you tell what the bar graph measures?

Kilowatts used by appliances

Hours appliance used per day

Total electricity per year

Hours appliance used monthly



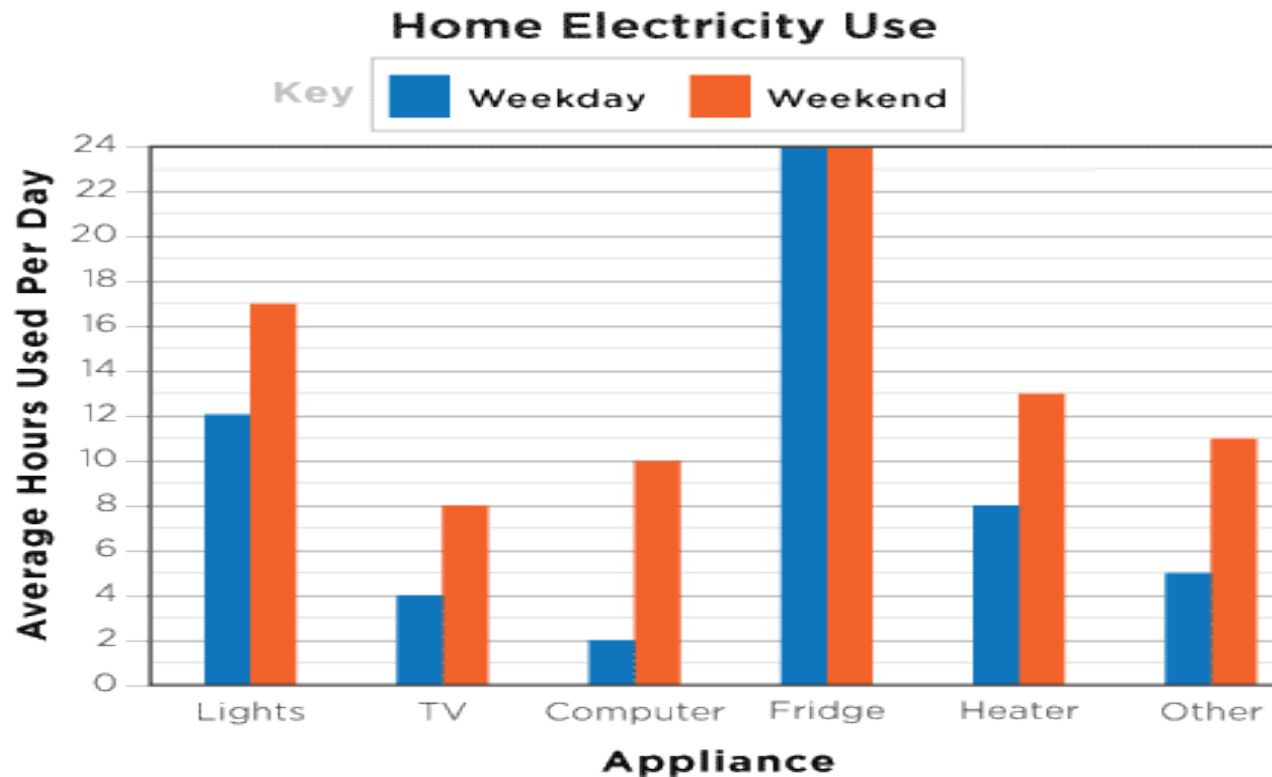
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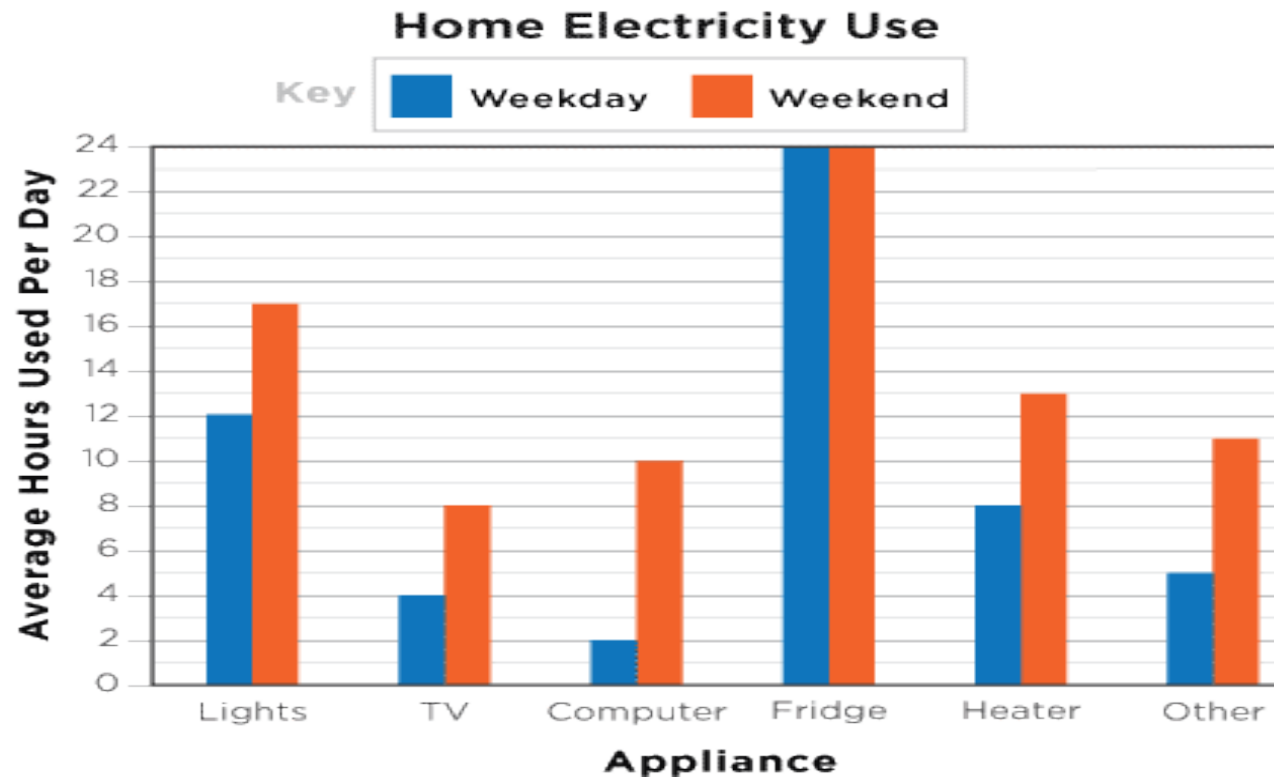
What do the numbers in the vertical axis of this graph represent?

Hours in a day

Days of the week

Types of appliances

Amount of electricity used



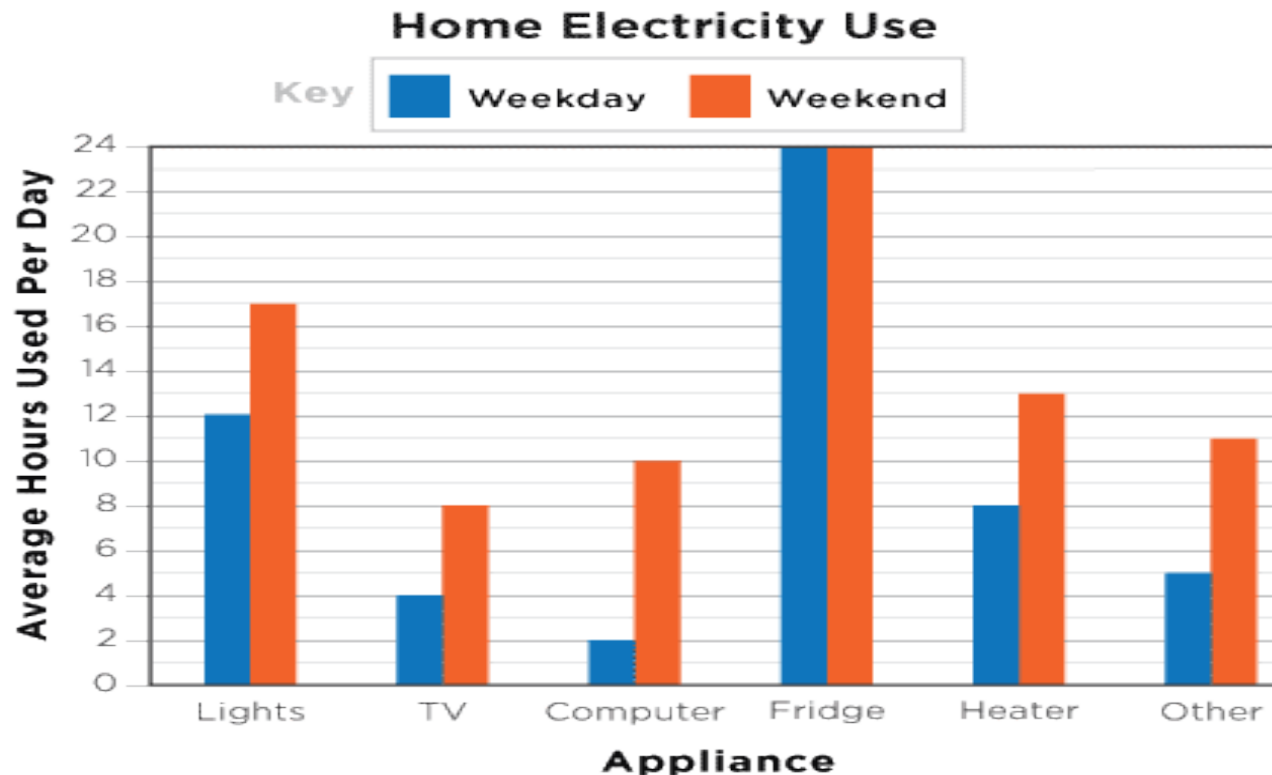
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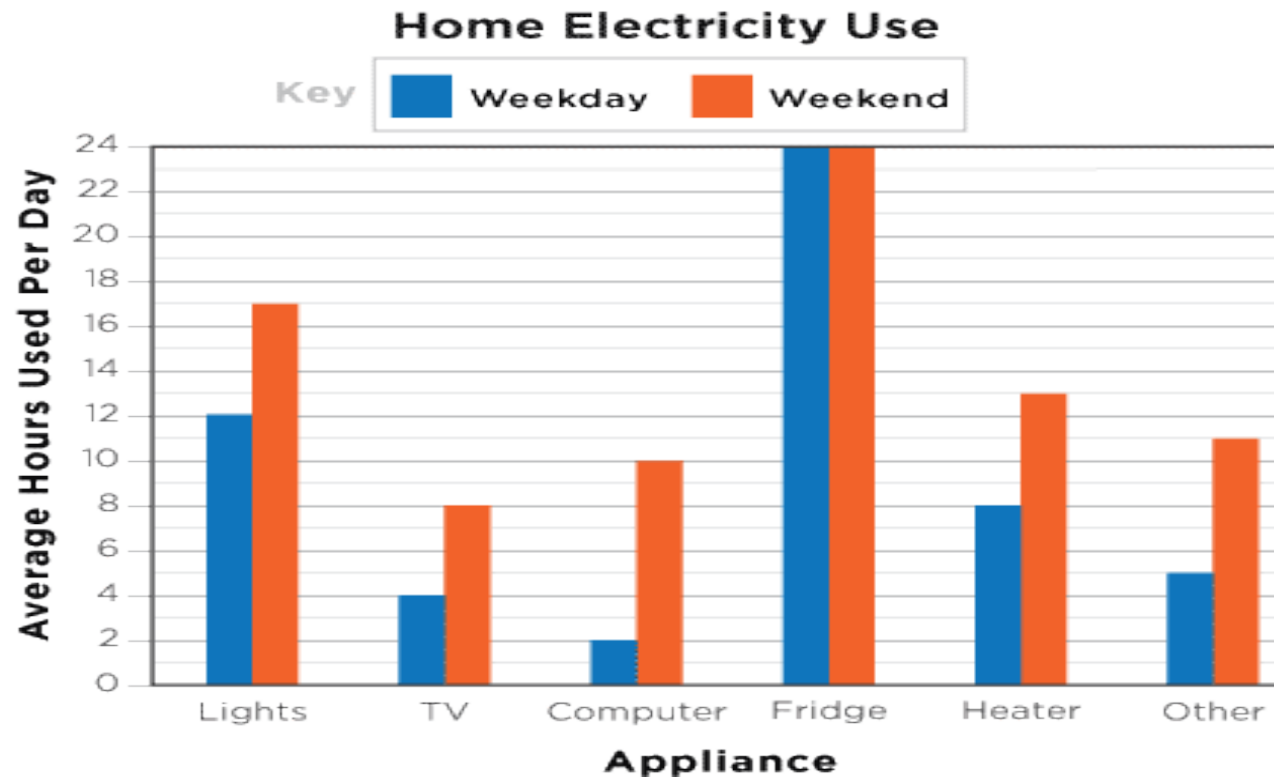
Amount of electricity used



Now read what's on the horizontal axis, the line that runs along the bottom of the graph from left to right. It is labeled **Appliance**. Each appliance in the graph has two bars. What is measured by the blue bar?

Weekday: hours of use





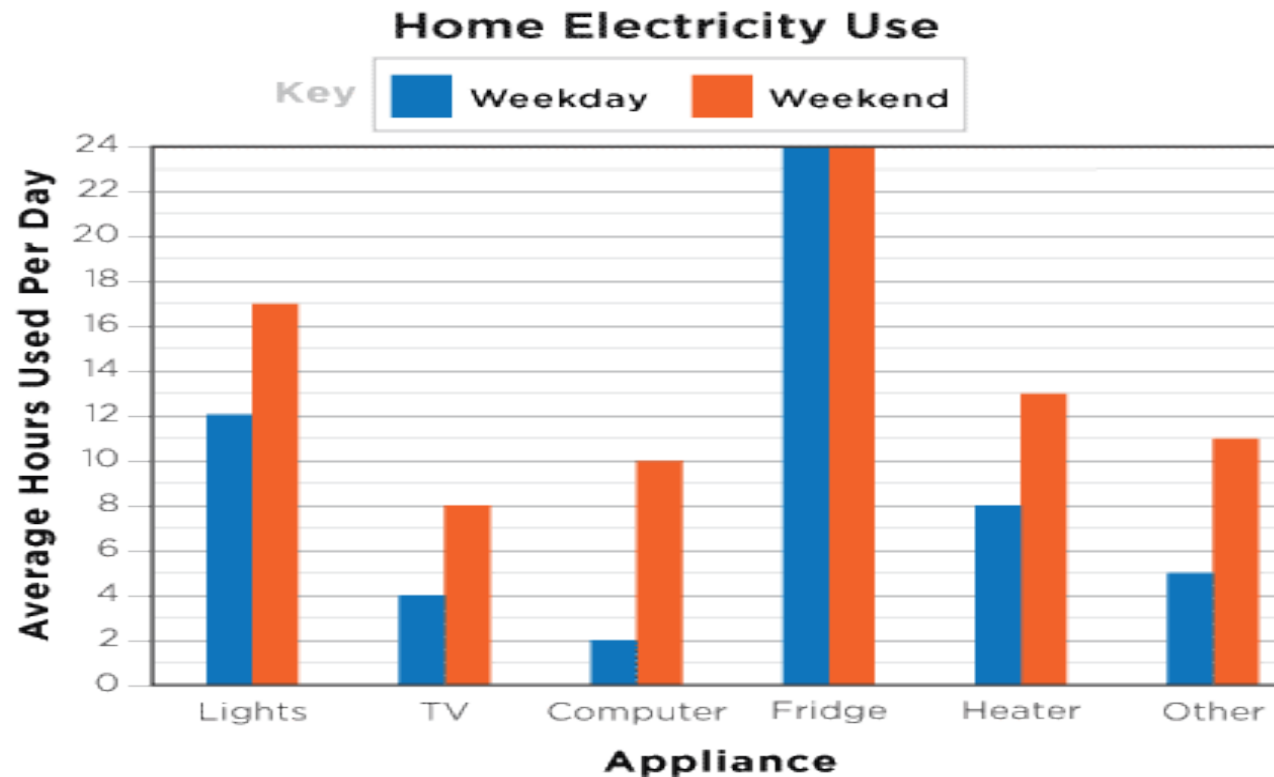
Which appliance has the most total usage?

Fridge

Heater

Lights

Television



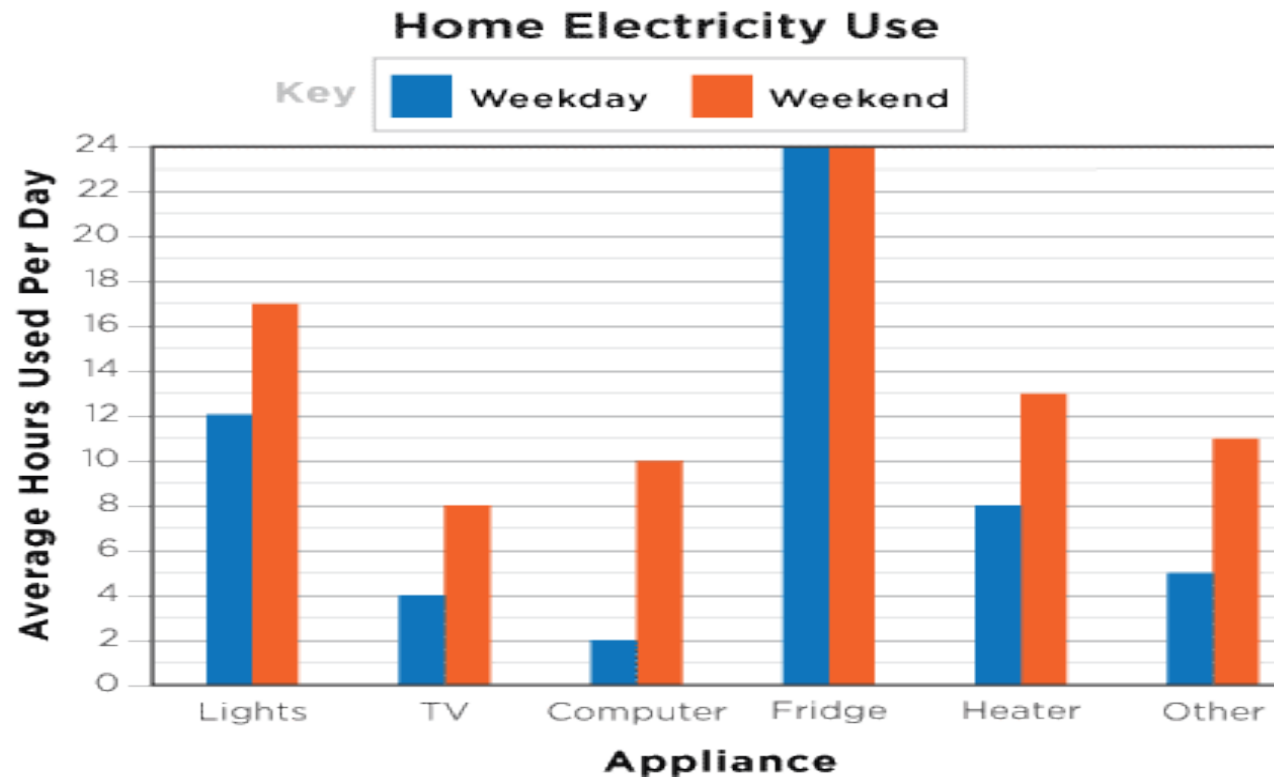
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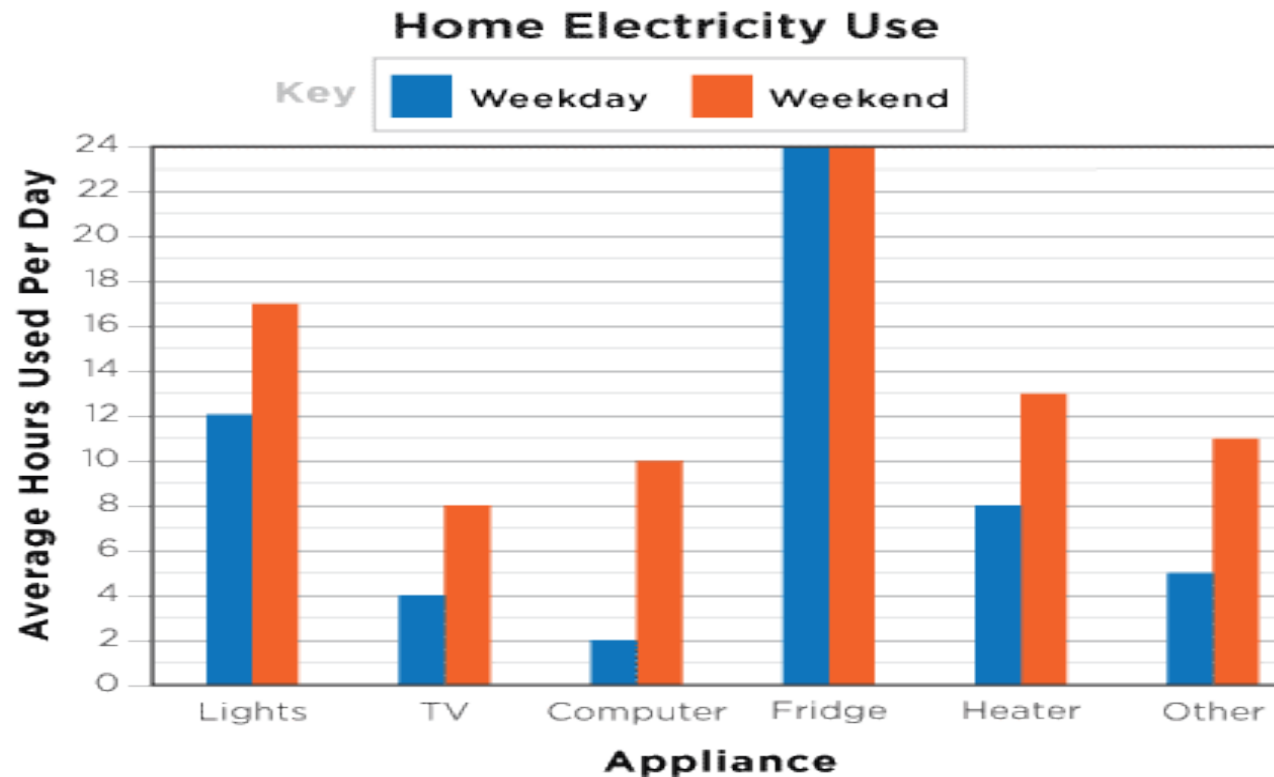
On average, how many hours is the computer used on a weekday?

8

16

2

10



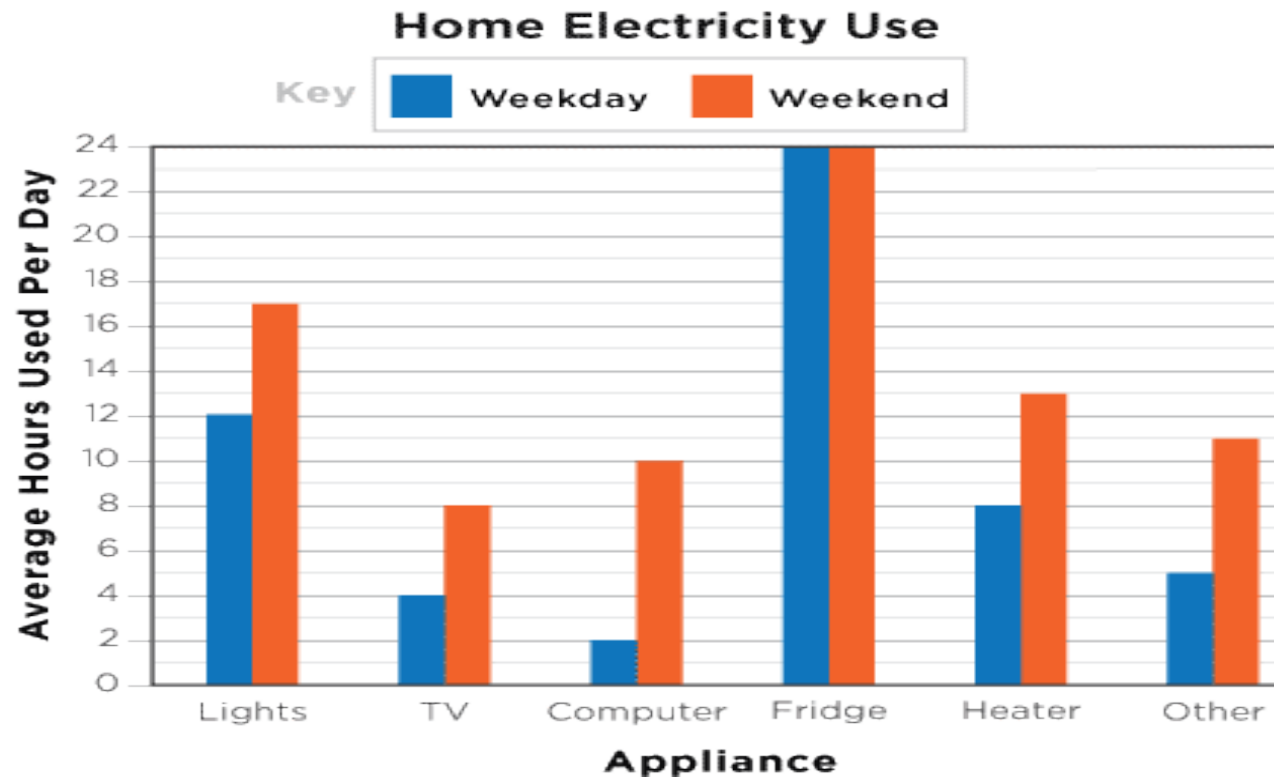
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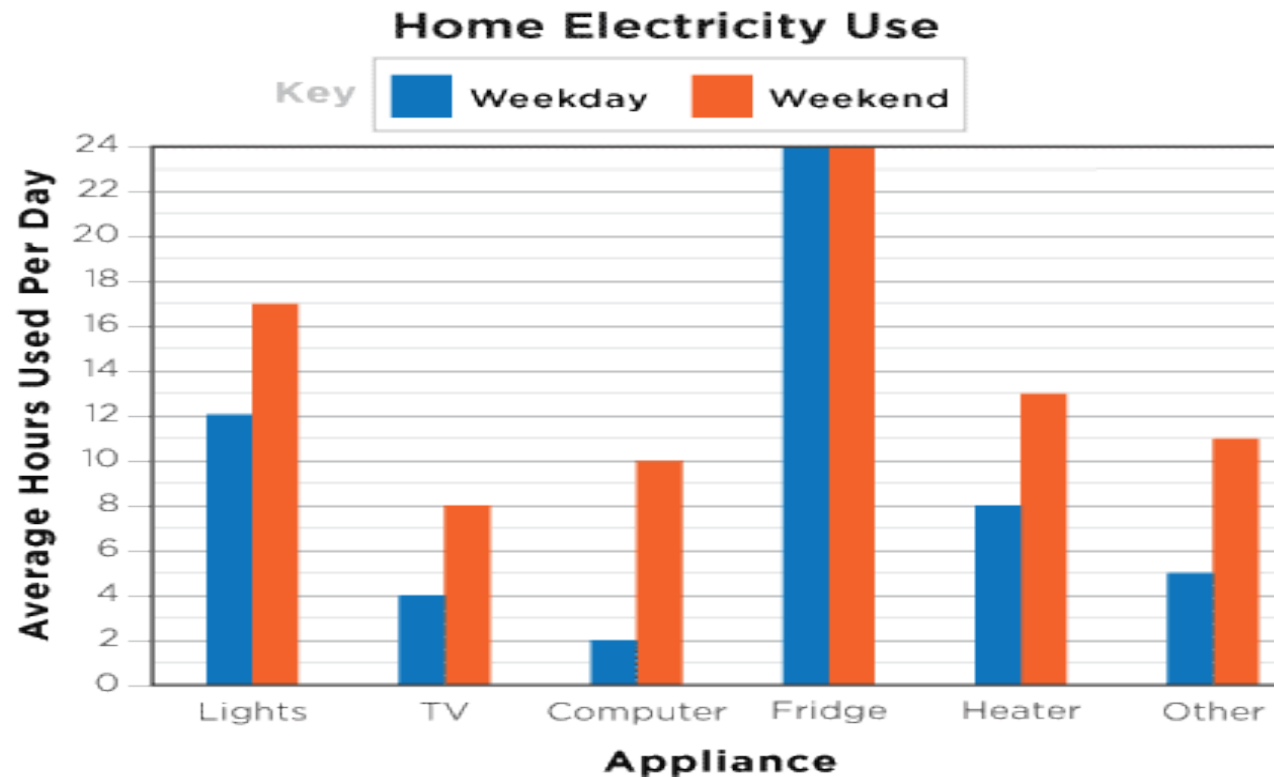
2

10



How many hours a day on average is the heater used on weekends?

- 5
- 8
- 13
- 14



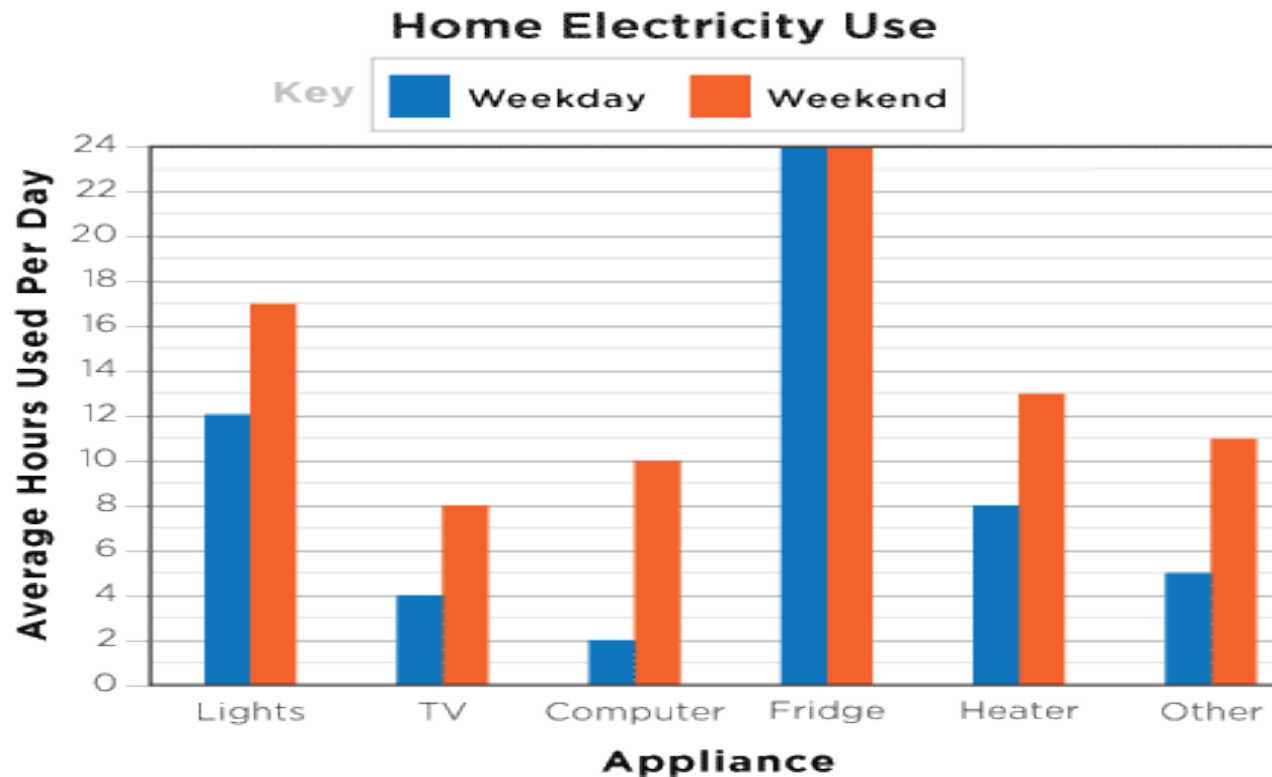
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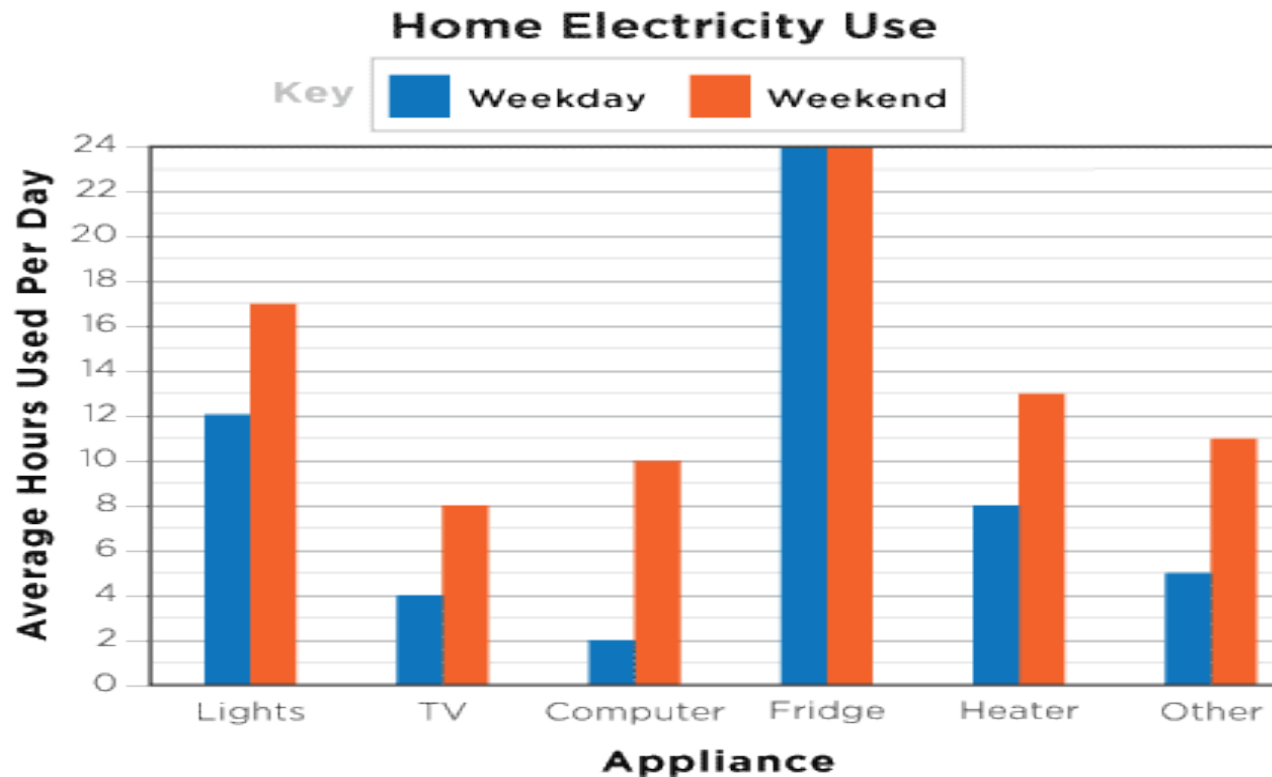
Which appliances are used for an average of 5 hours a day more on weekends than on weekdays?

Lights and Television

Television and Other

Lights and Heater

Heater and Computer



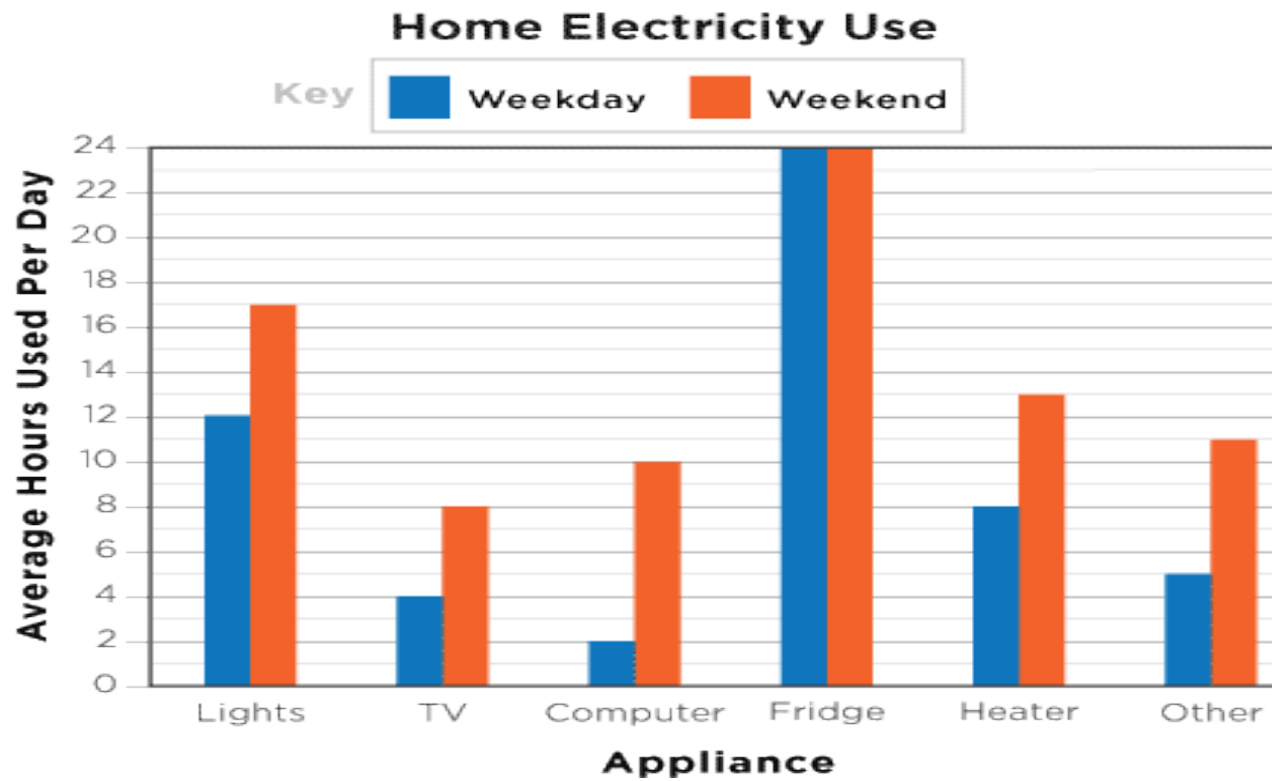
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Lights and Television

Television and Other

Lights and Heater

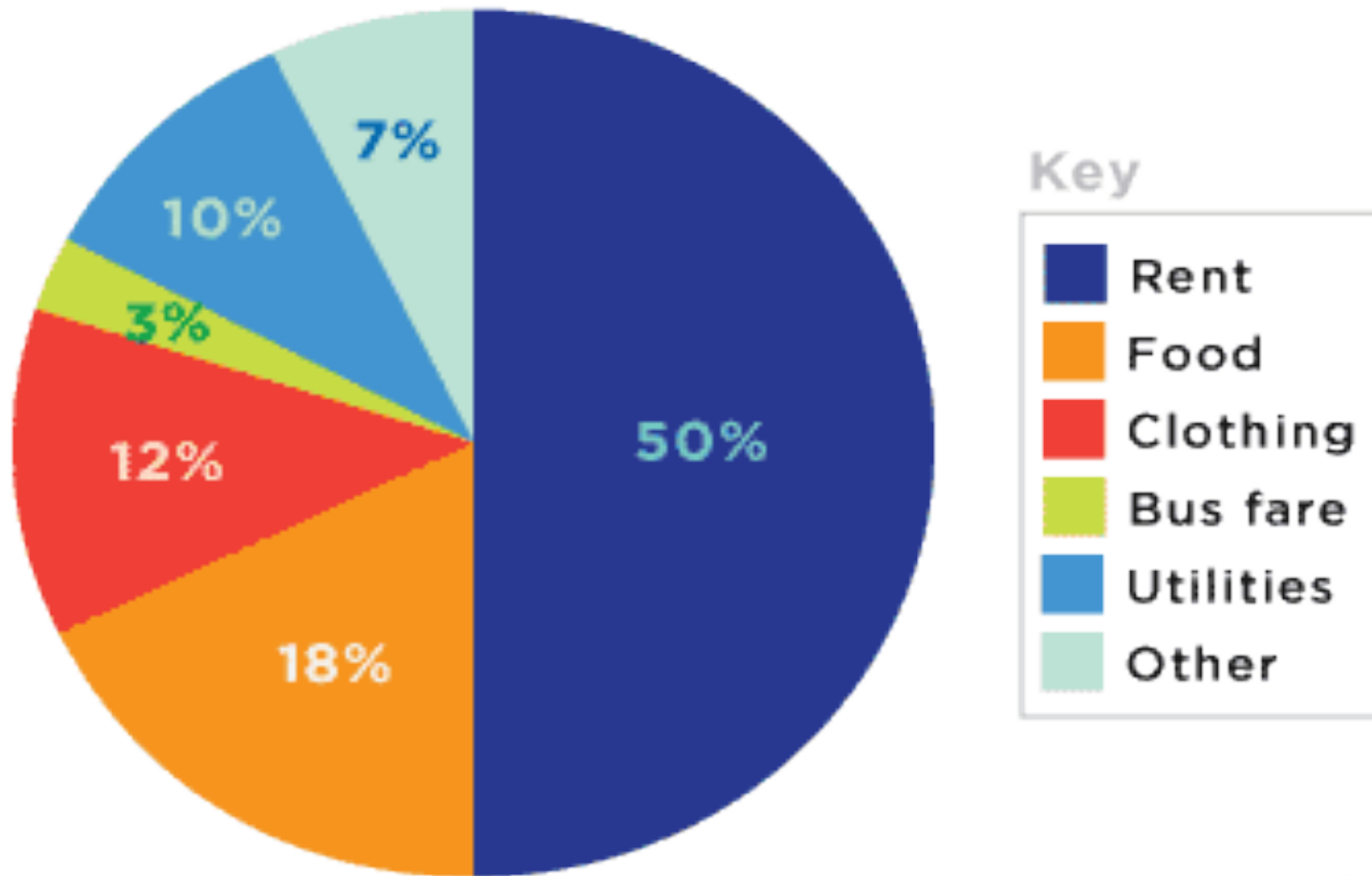
Heater and Computer



Favorite Type of Movie

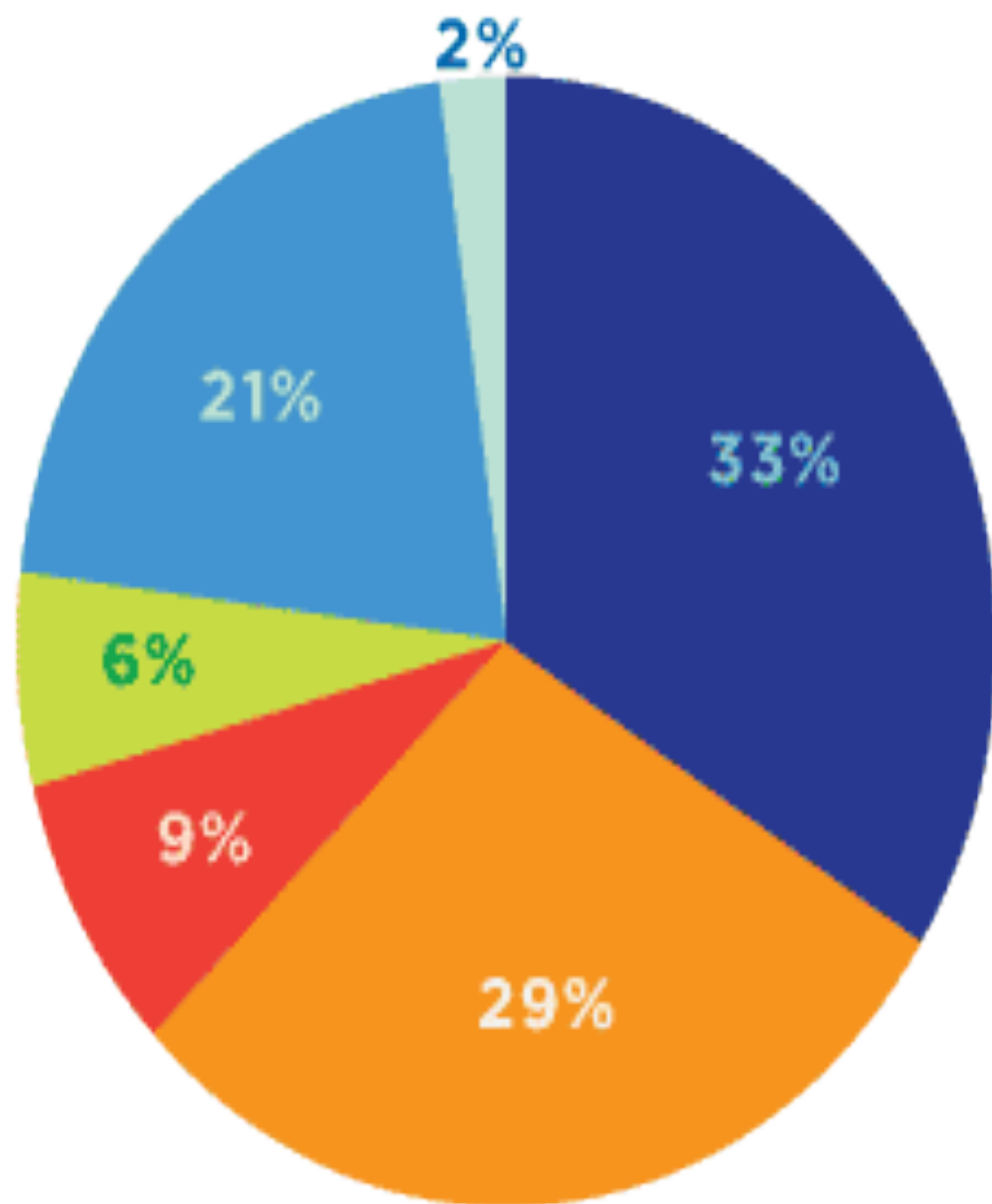


Tina's Monthly Living Expenses



1. Tina spends the largest portion of her income on
2. Tina spends the least amount of money every month on
3. Tina spends of her monthly income on clothing.
4. The percentage of her income that Tina spends each month on transportation and other expenses combined equals what she spends on.

Time Spent on Daily Activities



Key

- Work: 8 hrs
- Sleep: 7 hrs
- Meals: 2.1 hrs
- Travel: 1.4 hrs
- Childcare: 5 hrs
- Leisure: 0.5 hrs

Tina spends of her day at work.

Tina has the least amount of time in her day for

Tina spends a larger percentage of her day on
than she does sleeping.

Candidate	Total Votes	Women	Men
Jones	1,000	500	500
Smith	2,543	500	2,043
Lopez	5,200	3,200	2,000
Shen	4,790	3,000	1,790

Which candidate placed third?

Which candidate got the most votes from women?

Which candidate was more popular among men than women?